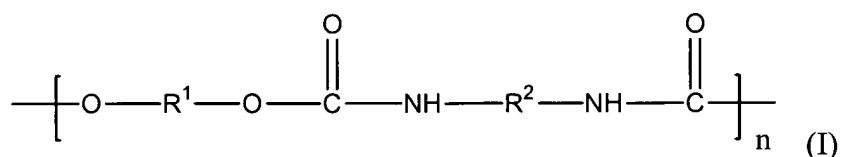


## AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings of claims in this application.

1. (Currently Amended) A composite structure with at least one polyurethane layer, a support layer, and an optional adhesive layer placed between these layers, wherein at least one polyurethane layer contains a polyurethane having the formula (I)



wherein O-R<sup>1</sup>-O is the radical of a polyole selected from the group consisting of a polyether polyols and a polyester polyols, wherein the polyether polyols and polyester polyols have with primary and/or secondary hydroxyl functional end groups selected from the group consisting of primary and secondary hydroxyl functional end groups and in which the primary and secondary hydroxyl functional groups of the polyole polyols have a ratio of between approximately 2:1 and 1:6, wherein

R<sup>1</sup> and R<sup>2</sup> independently represent an organic radical which includes aliphatic, cycloaliphatic, aromatic and/or heterocyclic groups and

n is an integer number between 1 and 50,000 wherein the polyurethane layer(s) which contain(s) the polyurethane according to formula (I) have/has a content of volatile organic chemicals (VOC) below approximately 100 ppm and wherein the composite structure has a grain.

2. (Currently Amended) The composite structure according to claim 1, wherein the at least one polyurethane ~~layers~~ layer comprises two polyurethane layers and wherein the outer and/or the inner polyurethane layer ~~include~~ includes a polyurethane of the formula (I).

3. (Original) The composite structure according to claim 2, wherein the polyole has a molecular weight from approximately 2000 to approximately 12,000.

4. (Canceled)

5. (Currently Amended) The composite structure according to claim 1, 4, wherein the polyether glycol is a poly-(oxypropylene) glycol and the polyester glycol comprises glycols of dimeric fatty acids.

6. (Canceled)

7. (Currently Amended) The composite structure according to claim 1 6, wherein the ~~polyole~~ polyurethane of formula (I) comprises is bi-functional ~~and/or~~ and tri-functional polyols.

8. (Original) The composite structure according to claim 7, wherein the ratio of the bi-functional polyoles to the tri-functional polyoles is between approximately 1:2 and approximately 5:1.

9. (Currently Amended) The composite structure according to claim 8, wherein ~~in that~~ the radical  $R^2$  is based on isphoron diisocyanate and/or hexamethylene diisocyanate.

10. (Currently Amended) The composite structure according to claim 1 8, wherein the radical  $R^2$  is based on diphenylmethane diisocyanate (~~MDI~~) and/or toluylene diisocyanate.

11. (Currently Amended) The composite structure according to claim 1 10, wherein ~~that~~ the polyurethane layer(s) which contain(s) the polyurethane according to formula (I), have/has a solid content of at least approximately 95%.

12. (Currently Amended) The composite structure according to claim 1 11, wherein the polyurethane layer(s) which contain(s) the polyurethane according to formula (I), have/has a thickness of approximately 0.2 mm to 0.5 mm.

13. (Currently Amended) The composite structure according to claim 1 12, wherein the polyurethane layer(s) which contain(s) the polyurethane according to formula (I), have/has a density of approximately 0.3 g/ml to 0.8 g/ml.

14. (Canceled)

15. (Canceled)

16. (Withdrawn) A method of producing a composite structure comprising the steps of:

a) applying at least one polyurethane layer to a support having adhesive properties, forming the at least one polyurethane layer by spreading onto a tape or onto a polyurethane coating, which is performed on the tape, a reactive spreadable material capable of forming a polyurethane and having a composition (A) which includes

i) a polyole HO-R<sup>1</sup>-OH with primary and/or secondary terminal hydroxyl functionalities,

ii) a diisocyanate  $\text{OCN-R}^2\text{-NCO}$  and/or a diisocyanate pre-polymer  $\text{OCN-R}^2\text{-NH-CO-O-R}^1\text{-O-CO-NH-R}^2\text{-NCO}$ , wherein  $\text{R}^1$  and  $\text{R}^2$  independently represent an organic radical which comprises aliphatic, cyclo-aliphatic, aromatic and/or heterocyclic groups, and

- iii) a catalyst,

and thermally hardening the spread compound;

b) applying an adhesive layer on the hardened polyurethane layer;

c) applying a textile support layer on the side facing away from the tape, and

d) removing the composite structure from the tape, after the adhesive layer has hardened.

17. (Withdrawn) The method according to claim 16, wherein the at least one polyurethane layer is two polyurethane layers and wherein the outer and/or the inner polyurethane layer is formed by using a reactive spreadable material having a composition (A) and being capable of forming a polyurethane.

18. (Withdrawn) The method according to claim 17, wherein a metal acetylacetonate is used as a catalyst.





31. (Original) The composite structure according to claim 1, wherein the support layer is made of polyurethane foam.